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ABSTRACT

An Interim Program offers high school students the opportunity to expand their outlook on education, school function, and community resources through a two-week series of courses between semesters. The courses are grouped under two headings: Interim Course Offerings (Academic and Avocational) and Career Research Laboratory Program. The mini-courses vary in length from 45 minutes to three hours, each student taking a minimum of 4 1/2 hours per day. Courses are taught by teachers, students, administrators, and community people. Remedial courses are also offered. The Career Research Laboratory Program is open to seniors who spend the twoo weeks working, on a one-to-one basis, with a member of an occupation of their choice. Each student is observed once a week by a staff member; participants complete a diary-type report at the end of the experience. The program development process involved teachers, students, and parents. Informal and formal evaluations indicate a secure future for the program. Two appendices explain the interim pre-registration procedures, course offerings, and registration forms. (Relevant ERIC documents and other information pertinent to the program conclude the profile.) (Author/KSM)

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profiles of promise 9

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ISSUE NO. 9

Interim: Not a Time for Rest

"I wish to thank you for allowing me, as a Brandywine student, to participate in the Interim Program. Students respect you for giving them the chance to prove their responsibility. I am enjoying all of my Interim courses and gaining a wealth of knowledge."

--Brandywine student to the principal

"The purpose of this letter is to tell you how much the Interim Program means to my son, and to thank all of you for making it possible for him to have had this educational experience."

--Parent of Brandywine student

Brandywine High School, in Wilmington, Delaware, is providing educational experiences for students outside the confines of curriculum course guides. Their Interim Program offers students the opportunity to expand their outlook on education, school function, and community resources by offering a two-week series of courses between semesters. These courses are designed to provide students with a choice of novel experiences unavailable during the normal school calendar. The courses are grouped under two main headings: Interim Course Offerings and the Interim Career Research Laboratory Program.

INTERIM COURSE OFFERINGS

Two-week mini-courses are designed to allow students and teachers to explore in depth a particular field of interest. Courses vary in length from 45 minutes to three hours; each student must take a minimum of 4½ hours per day. Last year, 127 courses ranging from Civil War Military History to Bicycle Repair were offered to students as well as teachers. The mini-courses are grouped under Academic and Avocational categories. Every student is required to choose at least one course from the Academic listing and can then fill the remainder of his 4½ hour daily schedule with any number of other offerings.

Courses are taught by teachers, students, administrators, and community people. Each teacher determines the length of the sessions, the optimum number of participants, and the course content. Meetings are not confined to normal school hours and conventional classrooms. Some sample course descriptions from Interim indicate the diversity of courses offered. (A represents Academic; B represents Avocational)

A401 A Military History of the Civil War--Mr. Von Stetten, principal

A411 The Philosophy of Drug Abuse--Dr. W. J. Vandervort
Special seminar, taught by one of Delaware's foremost authorities in the field of drug abuse. Three important books will be discussed: *The Greening of America*, *Future Shock*, and *The Pleasure Seekers*. Program will focus on thinking and psychology behind the abuse of both illicit and prescription drugs by both adults and adolescents.

B934 Taxidermy--Ross Harris, Class of 1972
Basic bird mounting--learn the principles and practices. (Ross was a participant in the Career Lab program during Interim I; his experience was in the field of taxidermy).

B310 Interim Newspaper--Mr. McCloskey
For those interested in journalism, an opportunity to publish a newspaper focusing on the various interim course activities; layout, design, and good reporting and writing techniques will be stressed.

A number of significant remedial courses are also offered to students during Interim. They may be selected in addition to or as a

continued

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part of the 4½ hour minimum. Although students are not assigned to remedial work, the small class sizes in these areas allow students and teachers the special benefit of working on almost a one-to-one basis.

Courses which require special materials and equipment or a special meeting place require a fee for participants. Skiing carries a fee ranging from $25.00 to $35.00 to cover the use of facilities and transportation for the two-week period. Some courses which require special equipment and materials--like photography and cooking--carry much smaller fees. If students want to take a course but can't afford it, the school is usually able to waive the fee.

Although students are required to participate in Interim, the very nature of the courses make them very popular with the student body. The sight of a "stodgy old math teacher" rolling up her sleeves and immersing her arms in dough during a course in French cooking can greatly enhance the relationship of that teacher with her students.

INTERIM CAREER RESEARCH LABORATORY PROGRAM

Seniors at Brandywine are given the option during Interim of participating in the Career Research Laboratory Program. Students choosing this option spend the two weeks working, on a one-to-one basis, with a member of an occupation of their choice.

The purpose of the Career Research Lab is to provide students the opportunity to:

a) Explore--through first hand observation, experience, and related readings--a career area in which they are considering investing their adult lives.
b) Study and be exposed to as many facets as possible of the socio-economic life of the community and of the industry or facility which the student studies.
c) Begin to develop leadership qualities and habits of responsibility, analysis, and planning.

In order to provide the Lab student with a full and realistic view of the chosen occupation, his hours and activities coincide with those of his sponsor. A lawyer chooses a variety of related reading materials so that his intern will be more familiar with the cases in which he is involved. A physician phones his intern at 2:00 a.m. so that they can work together on an emergency case. Opportunities are provided for interns to observe other members of the field at work or in meetings. At the end of the two-week Lab, each participant has been exposed to a wide range of experiences which he would encounter as a member of his selected career.

Participants in the Career Lab Program do not receive any pay. The value to the student is the opportunity to observe and participate in the career of his or her choice. Also, the school does not want to discourage potential sponsors by requesting payment for the students. Lunches, parking, and transportation costs are paid by the student.

Student supervision during the Lab program is of primary concern to the faculty at Brandywine. Each student is observed once a week, on the job, by a Brandywine staff member. Career Lab participants are required to complete a diary-type report at the end of the first and second weeks of the experience.

John Curran, Career Coordinator, and his staff work extremely long hours in trying to gather the range of sponsors necessary to maintain the current success which the Lab program enjoys. In some cases the range of careers open to student involvement extends beyond the resources of the Wilmington community. While the majority of the 150 participating students are involved in such occupations as taxidermy, medicine, teaching, real estate, electronics, and communications, several students have opted for fields not available within the community. Last year, arrangements were made for two girls to spend their two weeks in Vermont learning about motel management. Another girl participated in the program as a ballet dancer with a New York City troupe. When students choose an employer away from home, they are responsible for providing their own transportation and for planning room and board. At the same time, the school works very closely with parents, meeting with them individually to help organize the experience. A constant line of communication involving school, parent, and sponsor is maintained with each student throughout the duration of the career lab. Curran feels it does not matter whether the students emerge from their career experience with a less enthusiastic feeling toward that career; the important factor is that each student becomes aware of the positive and negative attractions of a career he or she observes.

HOW IT BEGAN

Wayne Von Stetten, Principal at Brandywine High School, has always been intrigued by the college tradition of a time break be-

continued

Interim courses include....

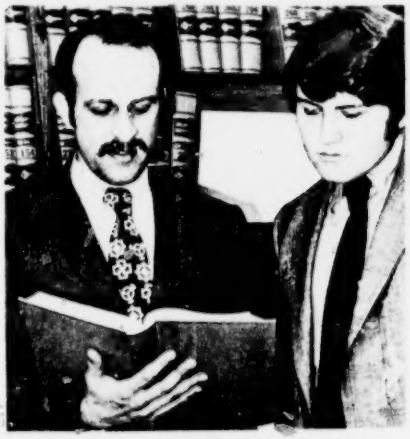
Directing cameras in a course on TV studio operations

A ten mile excursion in cycling class

Learning how to "Glass-on" antlers in a taxidermy class

A "college-type" registration permits s

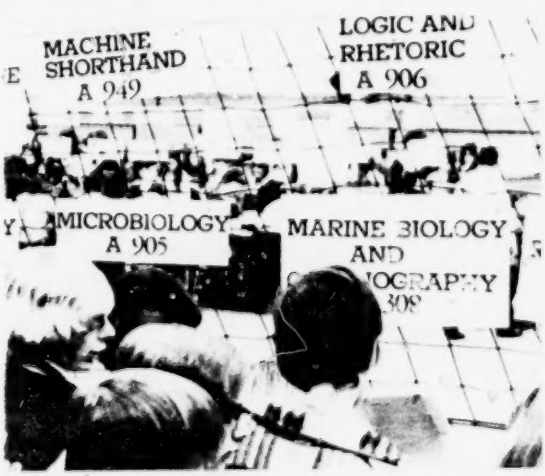
Career Laboratory experiences include..



Going over a case with a lawyer

Working at a radio station console

Observing an orthodontist work on a patient



tudents to construct their own schedules

tween semesters. With the thrust of final examinations and end-of-term papers, it seemed to him that high school students were, in many ways, under the same pressures faced by college people. However, the idea of taking time away from precious classroom instruction and the regulations of the state education department seemed to negate the possibility of special programs for two weeks between semesters.

In 1970, Von Stetten visited the Kincaid School, a private secondary school of 1,000 students located in Houston, Texas. There he observed students taking part in a series of two-week mini-courses which served to divide the school year. Von Stetten returned to Wilmington resolved more than ever to explore the feasibility of an interim program for Brandywine. After getting "the green light" from the District Superintendent and the Director of Secondary Education, he went next to his faculty. By meeting several times with each of the ten departments, Von Stetten was able to answer teacher questions concerning such items as grades, cost, and planning time. He also managed to transfer his enthusiasm for the program into the minds of many faculty members who became intrigued with this "bold venture." The organizational process took nearly five months to complete.

With the majority of staff members solidly in support of the endeavor, Von Stetten approached the Delaware Department of Public Instruction. After several lengthy meetings, they gave permission for Brandywine to deviate from the traditional number of hours for classroom instruction in each discipline in order to implement the Interim Program.

A planning committee composed of 18 members representing Brandywine students, teachers, counselors, and administrators was organized. Parents were also involved in this process, being kept informed of all activity through the Parents Advisory Committee at the school.

A series of student surveys was conducted by the committee, aimed at finding out the kinds of experiences desired by the students if they were given the opportunity to choose their own courses and their own teachers. Survey results showed that students were interested in hundreds of courses ranging from glass blowing to international cooking. A composite of these desires was circulated among the faculty, who were asked to determine the courses they were able and willing to teach. The search for teachers for the various courses was also conducted within the community. A number of courses had to be dropped because no instructor could be found.

After nearly 13 months of intensive planning, registration for the first Interim was held in the school gymnasium on January 13, 1972. During this campus-style registration, the Planning Committee--indeed the entire faculty--was busily involved in answering student questions and in guiding the entire registration procedure.

DOES INTERIM SERVE A USEFUL FUNCTION?

"The Interim, for me and everyone I've spoken to, has been a super worthwhile experience. My only regret is the fact that I'm only a junior and won't be able to take a different group of subjects next year since I want to participate in the Career Laboratory."

Brandywine personnel point to student comments such as this as one indication of success. Among the goals of the program are the enrichment of the educational experiences offered to students at the school and the encouragement of students at Brandywine in seeing their school as a positive institution for exploration and learning. The achievement of these goals is evident in many other ways also. In addition to the general receptivity by students, faculty, and community, the program has made a marked impression on individual participants. Ross Harris, a former Brandywine student who took part in last year's Career Lab Program, has postponed his college career. As a result of his experience, he is currently working as a full-time apprentice for the local taxidermist. In addition, he is imparting his skill to fellow students by teaching an Interim course offering.

Students participating in the first Interim Career Lab were required to submit a daily log of their activities to their faculty advisors. These diaries indicated a wide range of activities and exposures within each career experience. There were very few cases of students relegated to menial paper work or other unenlightening chores. Following are some samples taken from student diaries.

> *"After being on the job for a week it was time for the sponsors to time us on how many bricks and how many blocks we could lay. It was the sponsor's job to check on the improvement. I am sure Paul and I will soon be able to break some records in laying bricks."*

> *"I learned so many things during the Interim experience I had with the Data Information Center for Education; also, I found out some of the day-to-day problems in the*

continued

operation of a computer center. Another thing I learned was the difference between production and development--wow, what a difference! For me I am convinced the Interim was a very worthwhile experience."

In addition to informal evaluations and observations, the staff also did some formal evaluation. The results indicated that more than one-half of the students had 100% attendance during the program. Seventy percent of the parents felt the program was a very exciting one. Students indicated that the highlights of the interim program were the general informality, exciting courses, unstructured time, change of pace, and college-type registration. A majority of the students participating in the Career Labs felt the tasks given to them by their sponsors were "pertinent and exciting." They also felt the most important aspect of the laboratory experience had been the opportunity for direct involvement in the career of their choice.

As a result of both the formal and informal evaluations, some changes have been made in the program. One such change will be the formulation of more precise evaluation instruments. The staff determined that the informal questionnaires used in the first Interim were not sufficiently precise to measure the true merits of the program.

THE FUTURE

Von Stetten is very proud of the Interim Program developed at Brandywine. He points to the feedback of all concerned and the interest of other school districts in the Interim program as indicators of the program's value. Parental feedback on the total Interim program was extremely favorable in spite of the fact that their youngsters had "missed" classroom instruction.

The relatively low cost of the program is another positive factor in justifying its continuance. Last year, the school board allocated $1,000 to cover the cost of additional materials. Primarily due to the success of the program, the district has budgeted $2,000 for the current Interim. Von Stetten estimates that the total cost for Interim is approximately $5,000. This money is used primarily for special materials and equipment as well as for rental and use of space outside the school. The remainder of the costs are absorbed through a student government fund and student fees.

The second Interim displayed the sharp increase of enthusiasm with which the community has accepted the program. In addition to the larger apportionment of funds, community members have become much more active. This year, 15 community residents served as teachers in Interim's course offerings. Their new subjects ranged from "Conversational Polish" to "The Psychology of Drug Abuse." Many former sponsors of Career Labs initiated contact with the school to inquire about the possibilities of continuing participation in Interim. Brandywine is hopeful that this trend will continue in the future, since it allows for a significant increase in the range of student experiences.

"Today was my last day; I was very sorry to see it all end. The morning was spent watching surgery; after lunch I went to the Wilmington General Hospital to see the newborns and the nursery for premature babies. I observed the doctor examining a newborn child. I also saw her resuscitate a prematurely born child that had stopped breathing; ironically, my day ended seeing that baby die."

--Brandywine Career Lab student.

For more information concerning the subject of this paper, WRITE:

Wayne Von Stetten
Principal
Brandywine High School
1400 Foulk Road
Wilmington, Delaware 19803

ERIC DOCUMENTS

ED 067 454 - An Exemplary Program in Occupational Education in Typical Kansas Rural, Rural-Urban and Urban School Settings - MF - $.65, HC - $6.58.

ED 066 546 - Young Lives at Stake: The Education of Adolescents - Available from Agathon Press, Inc., New York, New York - $6.95.

ED 064 009 - Cassadaga Valley: The Community Setting for Educational Innovation - MF - $.65, HC - $3.29.

ED 065 271 - The Student Choice Movement - MF - $.65, HC - $3.29.

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MEMORANDUM

ED 084197

TO: Student Body
FROM: Interim Planning Committee
DATE: December 14, 1972

SUBJECT: INTERIM PRE-REGISTRATION

The following pages contain course descriptions and other valuable information on the more than 125 courses to be offered during the forthcoming Interim Program. Students are asked to study this document carefully and to think seriously about course work that they would like to become involved in. A form will be distributed in homeroom this week, on which the student body will be asked to list first choices and alternates. The following items will serve as a guideline.

All students should plan to be involved in a minimum of 4½ hours of programming. This may be a choice of one three-hour course and one 90-minute offering, three 90-minute programs, or a combination of 45, 90, or 3-hour courses to total the required 4½ hours. Because the final master schedule has not yet been built, it is not possible for us to determine what conflicts may result from individual choices. We do know from experience, however, that a rather substantial number of such conflicts are possible. This being the case, we are asking students to choose an alternate for each of the courses selected. Since students are asked to choose at least one offering from the A courses, at least one alternate must also be included from the A courses to total the 4½ hours minimum. Our purpose in this pre-registration is to get a final check on those courses for which interest was marginal before and to determine the number of sections required for those programs having large student interest. While this pre-registration is not necessarily binding, we would ask that students give serious thought to the kinds of things which interest them for the Interim.

Final registration will be held later this month and will be handled in a college style, where students will report to a central registration center to pick up roster cards for the courses of their choice. Since there will be limited enrollment for some courses, some of these programs will "fill" and will be closed early in the registration day. Seniors will register first, followed by juniors, then sophomores, but registration will generally be on a first-come, first-served basis.

A number of significant remedial courses are being offered to students and may be elected either in addition to or as a part of the 4½-hour minimum. This is a most valuable opportunity for students at any grade level who are having academic difficulty to "catch up" on regular class work. While students will NOT be assigned to remedial work, it should be mentioned that small class sizes in these areas in particular will enable students and teachers to work on almost a one-to-one basis. Remedial classes will be offered for a 45-minute period and should be an asset to students as they look forward to the second semester. Take advantage of these programs.

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Any senior interested in the Career Research Laboratory phase of the Interim is reminded that he should not register for regular course work but should fill out the Career Research Laboratory forms and turn them in to Mr. Curran.

Finally, there will undoubtedly be some courses scheduled for the evening hours. Tentative plans are for these programs to be scheduled during the period 6:30 to 9:30 p.m.; however, there will probably not be bus transportation provided for this time. Those students who sign up for courses scheduled for the evening will, of course, be excused either during the morning or afternoon sessions when they are unscheduled. There will be an opportunity to indicate a preference for night work; no student will be so assigned without his approval.

There will be two significant changes from last year in the course description booklet in addition to the some 35 new course changes. You will notice that there are courses listed in the B section which are labeled G. Because there was a great deal of overcrowding in these recreational programs held in the gym areas, and because it is our intent to open the gym for unstructured recreation during at least one period during the day, it is necessary for us to limit the number of such courses any student may elect. In order, then, for as many students as possible to become involved, no student may select more than 90 minutes' worth of G courses.

While the course description booklet does not describe the programs in Continuing Math (i.e., Algebra-Trig and Calculus), students who are involved in those courses during the regular term should so indicate on the preliminary registration form.

RMB:rm

COURSE DESCRIPTIONS

"A" Courses

A 901 Advertising Mr. Behl - 90 minutes
A study of advertising layout with emphasis on copy, art, and illustration

A 902 Air and Water Pollution (For Science Students - Chemistry Required)
Mr. Reynard - 90 minutes (fee)
A study of air and water pollution of our area with an emphasis on laboratory work such as total dissolve solids (TDS), biochemical oxygen demand (BOD), and the determination of other pollutants. Two possible field trips

A 401 Air and Water Pollution (Non-Science Students) Mr. Reynard - 45 minutes (fee)
A study of air and water pollution of our area with emphasis on the role of the individual to rectify the problems. Two possible field trips.

A 903 Asian Humanities Mrs. Ridenbaugh - 90 minutes
An introductory survey of the art, music, and literature of Asia with special emphasis on India and China

A 904 The Bible Mr. Piser - 90 minutes
A study of passages from the Old and New Testaments to emphasize the importance of the Bible as a literary and historical document

A 905 Brush-up Typing Mr. Trexler - 90 minutes
Some previous typing required

A 906 Careers in English Miss Fitzgerald - 90 minutes
"I'd like to major in English, but I don't know what I'd do with it after college. Do you have to be a teacher?" Sound like you? Come hear speakers, see films, tour a radio station, a newspaper plant--learn about careers as a critic, a professional writer, a journalist, in radio and TV, advertising, public relations and the like.

A 402 Career Investigations for Language Majors Mr. Gumpert - 45 minutes

A 907 The Classical Element in English Mr. Dannaway - 90 minutes
A short history of the English language as influenced by the Greek and Latin influx. Vocabulary building by the root cluster method. Interesting word origins and/or etymologies.

A 403 Comparative Grammar for Students of Foreign Language Miss Bryant - 45 minutes
A comparison of English grammar with the grammar of several foreign languages to facilitate the learning of foreign languages.

A 908 Computer Knowledge (Beginning) Mr. Reynard - 90 minutes

A 909 Contemporary Problems Mr. Gillan - 90 minutes
A course designed to inquire into the foundations and nature of contemporary issues

Conversational Language Offerings
The following courses are offered to give a brief experience in languages which most high school students would be unable to explore.

A 404 Conversational Greek Mrs. Sarmousakis - 45 minutes
Spoken Greek that would be useful when traveling to Greece would be presented through student participation in conversational phrases. Use will be made of records, tapes, and live instruction.

A 910 Conversational Italian Mrs. Shivone - 90 minutes
Designed with a special eye for those who plan a trip abroad. Stress will be on pronunciation and understanding of significant words and expressions

A 911 Conversational Japanese Mrs. Clement - 90 minutes
Designed to familiarize students with Oriental language patterns

A 405 Conversational Polish Mrs. Przywara - 45 minutes (no class limit)
An introduction to the sounds of Polish, using everyday subjects for topics of conversation. This introductory course can be followed by a more intensive study second semester one hour a day, twice a week, until mid-March. From then to mid-May it can be worked into the daily schedule.

A 406 Conversational Russian Mrs. Przywara - 45 minutes (no class limit)
A basic introduction to Russian sounds. The learning of brief conversations on everyday topics. A presentation of the written alphabet and some words which may appear in newspapers, magazines, and films. Open to non-Russian students only.

A 912 Creative Drama I Mrs. Howes and Mrs. Price - 90 minutes
A participatory course in such areas as pantomime, improvisation, impromptu speeches, oral expression, and Reader's Theatre.

A 913 Creative Drama II Mrs. Howes and Mrs. Price - 90 minutes
This course is for those students who have had Creative Drama I or who have had experience acting in plays. Moving from the theater games of Creative Drama I, this course involves casting, rehearsing, and staging specific scenes from two plays, as well as evaluating different interpretations of similar scenes.

A 915 Dissent in America Mrs. Toombs and Mr. Wolstenholme - 90 minutes
An exploration of the major areas of dissent in American culture including politics, race, women's rights and pacificism with emphasis on relevant literature and music

A 407 Elementary Probability Miss Betz - 45 minutes
Knowledge of the mathematical theory of probability is becoming increasingly important as a tool for solving problems in the sciences, in government, in industry, in business, and in many other areas. This course will help you to understand the basic concepts of probability and is intended for those with little or no prior knowledge. You need only an adequate arithmetic background and an interest in solving problems.

A 916 Entomology Mr. Martin - 90 minutes
This study of insects will focus on the following: (1) a discussion of characteristics of various orders with emphasis on major families within each order, (2) demonstrations and lab on the techniques of collection and preservation of specimens, and (3) seminars involving group presentation of seminar topics related to entomology

A 301 The French in Delaware Miss Bryant - 3 hours
For advanced French students - an examination of French customs, traditions, and landmarks found in Delaware today through research at the Eleutherian Mills Historical Library

A 917 Group Counseling Mr. Robinson - 90 minutes
A focus on individual adjustment to adolescent problems

A 918 History of Existentialism Mr. Gumpert - 90 minutes
The development of existential thought with emphasis on the influence of Jean Paul Sartre on our century. No French requirement—course conducted in English

History Seminars Mr. Sibley - 90 minutes

Four separate seminars, each 90-minutes in length and limited to 12-15 students will focus on a discussion of a specific work of sociological importance in today's society. Students should register for the seminar of their choice by selecting from the titles below.

A 919 No More Lies

This seminar is centered around comedian Dick Gregory's book No More Lies. It is a provocative, interesting account of what the author terms "the myths of U. S. history".

A 920 May Man Prevail

In his book May Man Prevail, Eric Fromm makes an inquiry into the myths and realities of American Foreign Policy. With man's owning the ability to destroy the world with one push of a button, Fromm's book takes on added significance.

A 921 The First Sex

Elizabeth Gould Powis, in her new book The First Sex, tries to prove that women's contributions have been greater than man's. The group will examine the anthropological, sociological, and historical evidence she presents.

A 922 The Vanishing Adolescent

In a time when people lose their identity, obscure it, and sometimes never develop one, it is important to stop often and search for ours. This will be the focus as we read Dr. Friedenberg's book.

A 923 Human Relationships in Dating and Marriage Mrs. Talley - 90 minutes

A psychological approach is used to understand human relationships, specifically those factors that strengthen and weaken dyadic relationships. Communication, body language, dating, marriage, and alternatives to marriage are explored. Because the emphasis is on dyadic relationships, it is suggested that girls select a boy with whom they feel they can communicate effectively. Students wishing to register without a partner, however, are also welcome.

A 924 Impirical Philosophy Mr. Gillan - 90 minutes

A course which will require students to read and understand the basic elements of British Impiricism, with special attention to John Locke, George Berkeley and David Hume.

A 925 Income Tax Mr. Behl and Mr. Trexler - 90 minutes

Utilization of the 1040 form to provide students with the basic skills involved in filing individual tax returns.

A 408 Independent Study for French II Students Miss Bryant - 45 minutes

Will provide students with one of several opportunities: (1) to work ahead in French II for those who wish to go into French IV next year; (2) to catch up, for those who have been falling behind in French II; and (3) to explore outside readings--short stories, plays, short novels, and/or poetry.

A 926 Individual Projects (Staff) - 90 minutes

An opportunity for students to select an area of interest and to develop a program of study in conjunction with the teaching staff.

A 927 Interpersonal Communications Mr. Curtis - 90 minutes

Small-group sharing and appreciation of individual personality and values to enable participants to appreciate one's uniqueness and worth and those of the other members of the group.

A 928 Introduction to Chinese Civilization Mr. Pro - 90 minutes
An examination of the institutions, cultu[illegible], and people that have formed the heritage of China.

A 929 An Introduction to the Lives and Works of Three Contemporary American Poets (Ted Berrigan, Kenneth Koch, John Ciardi.) Mr. Fitzpatrick - 90 minutes
Following the Interim course work (during February and March) those electing this program will attend a series of readings and workshops featuring the poets themselves.

A 930 Introduction to Typing Mrs. Peasley - 90 minutes

A 931 Japan Mr. Patten - 90 minutes
An introduction to the cultural, political and economic aspects of both traditional and modern Japan.

A 932 Laboratory Demonstration Workshop (Physics) Mr. Howard - 45, 90, 120 minutes
Designed as a vehicle for individuals or small groups to pursue any or all of the following: (1) Try out new labs to test their feasibility as classroom activities (Laser, speed of light, laser communication links, air table photography, etc.); (2) Repair, maintain, or modify existing physics apparatus; (3) Design and build apparatus (circuit boards, electronic kits, models); (4) Work in any area which the instructor and student can agree on a practical goal.

A 933 The Laser Mr. Miller, Mr. Howard, OR Miss Haas - 90 minutes
The theory of and experimentation with the laser--what it is, what it can do.

A 934 Law Mr. Gillan, Mr. Patten, and Mr. McCloskey - 90 minutes
A lecture and discussion course with presentations by the legal profession on such topics as school, corporation, criminal, and patent law among others.

A 409 Library Reference Resources and Techniques Mr. Kelleher - 45 minutes

A 935 Linear Algebra Mr. Harper - 90 minutes
Brief review of the axioms of a mathematical field and commutative groups, elementary properties of vector spaces, vector space generators, operations with subspaces of a vector space, linear transformation as a vector space, systems of linear conditions and their association with matrices. Recommended for those students who are presently taking calculus or have completed the Elementary Analysis course.

A 936 Logic and Rhetoric Mr. Gillan - 90 minutes
A study of the elements of logic and formal debate with a concentration on student debates.

A 302 Marine Biology and Oceanography Dr. Castelli - 3 hours (fee)
A study of the composition and distribution of marine communities. The physics, chemistry, and geology of the oceans will be treated only as they affect the ecology of these associations.

A 937 The Meanings and Uses of History Rick Eldridge - 90 minutes (limited to 30 pupils)
A course in the relevancy of the past and the assumptions of the historian in viewing man and the world. An examination of what the study of history means and what values it upholds.

A 959 Microbiology and Environmental Problems Staff - 90 minutes (fee)
A study of the relationship of micro-organisms to environmental problems with emphasis on field and laboratory work. Techniques of collecting, culturing, and experimenting with micro-organisms will be employed.

A 938 A Military History of the Civil War Mr. Thompson and Mr. Von Stetten - 90 minutes

A 939 Modern Topics in Mathematics Mr. Jones - 90 minutes
A study of such questions and topics as modular arithmetic, matrix algebra, rings, groups, and fields.

A 940 National Parks and Monuments Miss Haas and Mr. Howard - 90 minutes
Will present a survey of national parks and monuments in the United States. Intended to help the student be aware of the significant features of each park (geology, ecology, and history) in order to further his enjoyment and appreciation of the parks. Information on lodging, camping, recreation, and other park or nearby facilities included where possible.

A 957 Oceanography II Dr. Castelli - 90 minutes (fee)
A study of the flora and fauna of the Delaware and Jersey coast areas. Topic areas will be: a study of a Delaware Bay salt marsh; dune ecology at Lewes; what happened to the "eel grass" in Great Bay; can you buy a "Delaware Bay" oyster; a study of a sandy intertidal region (Indian River Inlet); what would a "deep water port" do to the Delaware Estuary. Movies, field trips, guest speakers, and discussion featured. PRE-REQUISITE: Oceanography I or permission of instructor.

A 410 Operations with Matrices Mrs. Cook - 45 minutes
The Matrix course will include a study of basic concepts and laws of matrix theory and the use of matrices in solving problems. The algebra of matrices is used both in pure and applied mathematics. A study of applications in the field of inventory control, cost analysis, transportation, data analysis, etc., will be included. PREREQUISITE: Have had or are presently taking Algebra II or Algebra-Trig.

A 941 Oral Interpretation Mrs. Buckner - 90 minutes
Reading aloud of literature and learning to communicate through vocal and physical suggestions the author's ideas and feelings in such a way that these ideas and feelings are experienced by the audience. The reader learns to project images through the use of his voice in such a way that the action of the literature takes place in the imagination of the audience.
Interested class members may continue working with their selections in order to participate in the State Speech Festival in the spring.

A 303 Organic Chemistry Mr. Andrews - 3 hours (fee)
A brief survey of the important classes of organic compounds. Laboratory work included.

A 411 The Philosophy of Drug Abuse Dr. W. J. Vandervort - 45 minutes
Tuesday, Wednesday, Thursday evenings 7-8 p.m.
Special seminar, taught by one of Delaware's foremost authorities in the field of drug abuse. Three important books will be discussed: The Greening of America, Future Shock, and The Pleasure Seekers. Program will focus on thinking and psychology behind the abuse of both illicit and prescription drugs by both adults and adolescents.

A 958 The Politics of Protest Miss Golder - 90 minutes
A study of political violence. A Task Force report, submitted to the National Commission on the Causes and Prevention of Violence will be used as a basis for the study. Topics such as anti-war protest, student protest, black militancy, white militancy, and police in protest will be covered. The course will depend on heavy discussion and inquiry.

A 942 Principles of Geology Miss Haas - 90 minutes
An examination of modern concepts concerning the nature and origin of the major features of the earth's crust and interior, with emphasis on the study of earthquakes, volcanoes, mountain building, rivers, and land and rock formation.

A 9[illegible] Psychology Mr. Robinson and District Staff - 90 minutes
An examination of the general areas of psychology including personality, motivation and learning, with special emphasis on adolescent psychology. Not open to students involved in the psychology class during the school year.

A 944 Public Speaking Mrs. Howes - 90 minutes

A 945 Race and Races Mrs. Scott - 90 minutes
There has long been a feeling, either directly stated or at least implied, that one can evaluate race on a scale from inferior to superior. The focus of this course will be to examine this theory by looking at man's diversity from both a biological and sociological point of view. PREREQUISITE: Successful completion of Biology.

A 412 Remedial Algebra Mr. Likovich - 45 minutes

A 413 Remedial Bookkeeping Mrs. Peasley - 45 minutes

A 414 Remedial Biology Mr. Bianco - 45 minutes

A 415 Remedial Chemistry Study Mr. Andrews - 45 minutes

A 416 Remedial English Mr. Anderson - 45 minutes

A 417 Remedial French Miss Bryant - 45 minutes

A 418 Remedial Alg-Geometry Mrs. Baldwin - 45 minutes

A 419 Remedial Geometry Mrs. Baldwin - 45 minutes

A 420 Remedial German Grammar Mr. Dreyer - 45 minutes

A 421 Remedial Physics Mr. Howard - 45 minutes

A 422 Remedial Spanish Grammar Mr. Gravely and Mr. Musselman - 45 minutes

A 946 Research Paper Typing Mr. Trexler - 90 minutes
Some previous typing required.

A 947 Satire Mr. Dreyer - 90 minutes
A brief history of satire with emphasis on contemporary works. Both literary and non-literary forms--movies, magazines, television programs--will be studied.

A 948 Science of Medical Instruments Mr. Miller - 90 minutes
The examination and use of such scientific instruments used in medicine as: EKG, electronic thermometer. What they do, how they do it.

A 949 Selected Topics in Physical Science Miss Haas - time arranged
Individual and small group examination of such topics as nuclear science; measurement by electronics, stroboscopic, and photographic means; and circuit and solid state electronics.

A 950 Shakespeare - The Histories and Tragedies Mr. Barto - 90 minutes
An analysis and comparison of the History and Tragedy format through an examination of two specific works: Richard II and King Lear.

A 951 Shorthand Introduction Mrs. Peasley and Mr. Trexler - 90 minutes
An examination of the basic principles of Gregg shorthand.

A 952 Shorthand Workshop Mrs. Peasley and Mr. Trexler - 90 minutes
A workshop arrangement for shorthand students at any level with an opportunity for concentrated work in areas of student choice.

A 954 Slide Rule Operation Mrs. Baldwin - 90 minutes
Slide Rule operations including roots of numbers, raising numbers to powers, multiplication, division, trigonometric scales and log scales.

A 953 Slide Rule - Advanced Operations Mr. Harper - 90 minutes
This course will cover the operations with common logarithms, trigonometric solutions, natural logarithms, inverse scales, C & D folded scales, and multiple operations. It is assumed that students entering this course have had experience with simpler slide rule operations.

A 304 Speed Reading Mr. Anderson, Mr. Briner, and Mrs. Hildebrand - 3 hours

A 955 Trigonometry Mr. Likovich - 90 minutes
Open to students who have had or are now taking Algebra II. The course emphasizes the basic concepts of trigonometry, the use of the right triangle, and solutions of simple problems.

A 423 Utopian Societies Mr. Wyrick and Mrs. McBride - 45 minutes
A look at utopian societies as they exist in literature, have been in the past and are today.

A 956 Writing Lab Miss Fitzgerald - 90 minutes
Bring to the lab creative "works in progress" to share with others, discuss techniques, get some criticism and advice, and continue writing. What about that half-finished story, those poems you always wanted to work on?

"B" Courses

B 301 Antiques Mrs. Selwood and Mr. Wolstenholme - 2 hours 15 minutes
An exploration of American period furniture, glassware, pottery, pewter, copper, and brass.

B 402 Arts and Crafts (Making types of articles that would sell at a bazaar)
Mrs. Sarmousakis - 45 minutes (15 students)
Students will purchase their own handicraft kit and receive needed assistance in making it.

B 403 Aviation Mr. Ziccarelli - 45 minutes
An introduction to all aspects of aviation, from flight to ground control. Actual flight is NOT included.

B 901 Basic Crochet Mrs. Sarmousakis and Mrs. Timm - 90 minutes (10-15 students)
Course is for absolute beginners who have no knowledge of the skill. Fundamentals of crochet will be taught and projects utilizing all basic stitches will be made. Students must provide own supplies and materials.

B 302 Billiards and Pool Mrs. Daly, Mr. Snyder - 3 hours (fee)

B 303 Bowling Mrs. Daly, Mrs. Kalpanov, and Mr. Snyder - 3 hours (fee)

B 304 Bridge Mr. Patten - 3 hours
For intermediates. Instruction will emphasize bidding conventions and playing strategies. Most of the time will be utilized in actually playing bridge.

B 902 Carpentry for Girls Mr. Mallozzi - 90 minutes
There is no reason girls can't learn how to handle the hammer and saw domain which has long been the province of boys. Practical instruction and work on individual projects will be featured.

B 903 Chess Mr. Anderson - 90 minutes

B 904 Class Voice Lessons Mr. Closson - 90 minutes
An in-depth approach to the art of singing with emphasis on individual growth and development.

B 905 Creative Needlecraft Workshop Mrs. Sarmousakis and Mrs. Timm - 90 minutes (fee)
Individualized instruction for beginning and advanced students in any area of needlecraft: crocheting, knitting, embroidering, crewel, etc.

B 404 Crewel Embroidery Mrs. Sarmousakis and Mrs. Timm - 45 minutes (15 students)
Basic stitches will be presented and a project will be made. Students must provide own supplies and materials.

B 405 Crochet Mrs. Sarmousakis and Mrs. Timm - 45 minutes (15 students)
For students who are able to hold a crochet hook and do the basic stitches but need assistance in making projects. Students must provide own supplies and materials.

B 305 Cycling Mr. Piser - 3 hours
A course designed to acquaint the student with techniques in distance cycling and in maintenance and repair of bicycles. Physical conditioning will be stressed and a day-long tour is scheduled for the second Saturday of the Interim.

B 906 Decoupage Miss Bryant - 90 minutes
Decoupage, an 18th Century art craft, consists of applying a cut out print to a desired wooden object, then applying varnish and wax. Students will be responsible for providing necessary materials.

B 907 Drafting and Blue Print Reading for the Beginner Mr. Guth - 90 minutes
A short course open to boys and girls for the novice in drafting techniques, blueprinting and blueprint reading, including reading of house plans, electrical plans, and schematics.

B 908 Easy Cooking Mrs. Przywara - 90 minutes
A course designed to use recipes for sandwiches, desserts, and beverages that are "easy" to make. The emphasis will be to prepare something from something else; such as from leftovers, cake mixes, puddings, juices, etc.

B 909 Electricity-Electronics for the Homemaker Mr. Guth - 90 minutes
A course designed for girls only with emphasis on the diagnosis and repair of small appliances, lights, radios, TV, automobile and small gasoline engines.

B 910 Electronic Music Mr. Closson - 90 minutes
An investigation into the philosophy of electronic music and student experimentation with available materials for the creation of compositions utilizing certain basic techniques.

B 911 Fly Tying Mr. Helmbreck - 90 minutes
A course designed to teach the participant the basic rudiments and skills in the art of constructing (tying) artificial fishing flies.

B 912 Football Strategy for Boys Mr. Bianco - 90 minutes
A "crash course" in understanding the fundamentals and the complexities of football.

B 913 Football Strategy for Girls Mr. Bianco - 90 minutes

B 406 Fun with Words Miss Fitzgerald - 45 minutes
Crossword puzzles, cryptograms, double crostics, anagrams, scrabble - solve problems, make up your own puzzles. Build up flexibility with words while you play.

B 311 Girl's Competitive Swimming Mrs. Peasley and Mrs. Kalpanov - 3 hours (no fee)
For girls interested in improving swimming starts, turns, strokes, speed and endurance--or perfecting diving techniques.

B 306 Hiking Mr. Mallozzi - 3 hours
A course designed for those who enjoy both exercise and the beauty of nature in the winter. Hikers will explore portions of both the Brandywine trail and the Horseshoe Trail in Northern New Castle County and nearby Southeastern Pennsylvania.

B 307 Historical Field Trips Mr. Thompson - 3 hours
A series of trips organized to take advantage of such historically significant Delaware sites as Hagley Museum, Winterthur, Historic Old New Castle, and Project 400. This course meets for 45 minutes on alternate days when trips are not scheduled. Students, however, must block out the period 12:00-3:00 daily for this course.

B 918 History of Rock Music Mr. Wolstenholme - 90 minutes
An examination of the origins and development of rock music from its inception through the Beatles. Major emphasis will be placed on trends in the music, including the rise of Elvis Presley, the Dick Clark era, the Detroit sound, California surf and car music, and the British invasion.

B 919 Ice Hockey Mr. Reed - 90 minutes (fee)
Basic ice skating techniques are required.

B 920 Ice Skating Mrs. Anderson - 90 minutes (fee)
Open to both beginning and advanced skaters.

B 921 Interim Concert Band Mr. Dolinger - 90 minutes
This band will be formed in order to study instrumental music literature not being performed by the regular concert and symphonic bands. During rehearsals conducting techniques will be studied and student conducting encouraged where there is an expressed desire.

B 308 International Cooking Mr. Pro/Mrs. Toombs and Mrs. Anderson/Miss Betz - 3 hours (fee)
A course designed as introduction to the culinary styles of selected countries, with primary attention to European cusine.

B 937 Israeli Dancing Estera Gordon ('73) - 90 minutes
Instruction and practice in a variety of Israeli dances.

B 923 Jazz Workshop Mr. Dolinger and Mr. Schiff - 90 minutes
A two-phased program, the first of which will deal with the variety of concepts prevalent in jazz. Students who are proficient enough on their instruments will be given the opportunity to perform using these concepts. The second experience will involve investigation, research and rehearsal of material available for jazz rock ensembles.

B 924 Jewelry Mrs. Schambach and Mr. Dahlinger - 90 minutes
A program which will be concerned with the "Lost Wax Process." Rings and other forms of jewelry will be cast in silver and gold.

B 309 Junior and Senior Lifesaving Mr. McClary - 3 hours
A course for accomplished swimmers who wish to complete Red Cross Certification.

B 926 Macrame Mrs. Schambach - 90 minutes
An art form made by knotting cords in imaginative combinations using twine, rope, or yarn.

B 310 Nursery School Play Groups Mrs. Talley - 3 hours
Students will guide 3 and 4 year olds through play experiences designed to strengthen the social and emotional side of the preschoolers' development. Art media, outside play, and a one-to-one relationship are approaches to be used in the play groups. A core group of Child Development students is desirable; however, the course is open to anyone wanting to work with young children.

B 927 Officiating Girl's Basketball - Miss Hastings - 90 minutes
An opportunity for studying and practicing the techniques of officiating girl's basketball. Open to both boys and girls.

B 313 Photography Staff - 3 hours
Students must provide cameras and film.

B 928 Pottery Mr. Modica - 90 minutes
The slab, coil, pinch and wheel methods of pottery will be taught. Completed projects will be fired and glazed.

B 411 Puzzles and Games Miss Haas - 45 minutes
A recreational course using such puzzles and games as mazes, logic puzzles, manual puzzles, etc.

B 929 Recreational Math Mrs. Selwood - 90 minutes
An examination of existing mathematical games, puzzles, tricks, and unique problems. Development of original materials will be included.

B 930 Rugmaking Mr. Musselman and Mrs. Ridenbaugh - 90 minutes
Each participant will complete at least one rug approximately $2\frac{1}{2}' \times 4\frac{1}{2}'$ in size using the punch-rug method. Students will build their own frames, design their work, and complete the project. Students will be expected to provide certain supplies.

B 407 Salt Water Fishing Mr. White - 45 minutes
Rigs, lures, techniques - bottom fishing, trolling, etc.

B 409 Show and Tell Miss Fitzgerald - 45 minutes
Have you special poems, stories, humorous essays which you would like to share with others? There seldom seems time in any class just to read aloud and talk about writers and works you like. Each member would present several favorites to the group.

B 938 Silk Screen Printing Mr. Gettings - 90 minutes
An introductory course which deals with the process of forcing ink through a screen to produce an image on paper or fabric. The handcut and photographic methods will be taught.

B 312 Skiing Mr. Gettings, Mr. Kohl, Mrs. Selwood, Mr. Steele - 3 hours (fee)
A course designed to provide an opportunity for instruction and practice at all ability levels, from beginner through expert. NOTE: Fees for this course will range from $25.00 to $35.00 for the two-week period.

B 932 Social Dancing Miss Hastings - 90 minutes
Learn the "new steps" -- Cha-Cha, Rhumba, Tango, etc.

B 933 Stagecraft Mrs. Price - 90 minutes
This course is designed to give students some theory and practice in the art of scene design and set construction. A unit on lighting will also be included.

B 410 Student Travel Mr. McClary - 45 minutes
A "how to do it" course which will aid students in planning trips abroad. Emphasized will be obtaining proper documents, securing inexpensive round-trip charter flights, and choosing where to go and what to see.

B 934 Taxidermy Ross Harris (Class of '72) - 90 minutes
Basic bird mounting - learn the principles and practices.

B 314 Water Polo Mr. McClary - 3 hours

NOTE: The following courses--labeled "G"--will all be held in the Brandywine gymnasium. In order to provide for the maximum number of students to participate in these programs, it is necessary for us to restrict each student to NO MORE THAN 90 minutes of these programs.

G 401 The Art of Hitting a Baseball Mr. Andrews - 45 minutes
Baseball, softball, slow pitch, Babe Ruth leagues--anyone who wishes to be proficient must learn the basics of hitting. Taught by a former coach and proponent of the Ted Williams system.

G 901 Badminton Mr. Dreyer - 90 minutes

G 902 Golf (Beginning) Mr. Dannaway and Mr. Jones - 90 minutes

G 903 Golf (Advanced) Mr. Dannaway and Mr. Jones - 90 minutes

G 904 Gymnastics Mr. Hirst - 90 minutes
Open to both boys and girls.

G 905 Handball Mr. Dreyer - 90 minutes

G 906 An Introduction to Yoga and Health Food Mrs. Garmatz - 90 minutes
An emphasis on the physical aspects of Yoga with appropriate exercises.

G 907 Karate Staff - 90 minutes

G 402 Self-Defense (Beginning) Mr. Helmbreck - 45 minutes
A course open to both boys and girls--stressing principles of judo, karate, and aikido.

G 403 Self-Defense (Advanced) Mr. Helmbreck - 45 minutes
Designed only for those students who took self-defense last year.

G 908 Slimnastics Mrs. Schambach - 90 minutes
A study and practical employment of the art of safe and effective weight loss and muscle tone through exercise and diet.

G 909 Team Handball Mr. Reed - 90 minutes
One of the lesser-known but highly competitive Olympic sports, combining the skills of basketball and soccer.

G 910 Trampoline (Beginning) Mr. Hirst - 90 minutes

G 911 Trampoline (Advanced) Mr. Hirst - 90 minutes

G 912 Volleyball Mr. Gravely, Mr. Reed - 3 hours

G 404 Weightlifting Mr. Ziccarelli and Mr. Martin - 45 minutes

BRANDYWINE HIGH SCHOOL

Pre-Registration Form

1972-73 Interim Program
(January 22 through February 2)

NAME _____ HOMEROOM _____

COURSE SELECTIONS:

	Code	Title
1.	_____	_____
2.	_____	_____
3.	_____	_____
4.	_____	_____

(Note: At least one course must be from group A; courses must total a minimum of 4½ hours; but no student may select "G" courses totaling more than 90 minutes.)

ALTERNATE SELECTIONS:

1.	_____	_____
2.	_____	_____
3.	_____	_____
4.	_____	_____

(Note: At least one course must be from group A; courses must total a minimum of 4½ hours; but no student may select "G" courses totaling more than 90 minutes.)

[Appendix D]

ED 084197

M E M O R A N D U M

TO: Student Body
FROM: Interim Planning Committee
DATE: October 29, 1971

SUBJECT: INTERIM PRE-REGISTRATION

The following pages contain course descriptions and other valuable information on the 139 courses to be offered during the forthcoming Interim Program. Students are asked to study this document carefully and to think seriously about course work that they would like to become involved in. A form will be distributed in homeroom on Monday on which the student body will be asked to list first choices and alternates. The following items will serve as a guideline.

All students should plan to be involved in a minimum of 4½ hours of programming. This may be a choice of one three-hour course and one 90-minute offering, three ninety-minute programs, or a combination of 45, 90, or 3-hour courses to total the required 4½ hours. Because the final master schedule has not yet been built, it is not possible for us to determine what conflicts may result from individual choices. We do know from experience, however, that a rather substantial number of such conflicts are possible. This being the case, we are asking students to choose an alternate for each of the courses selected. Since students are asked to choose at least one offering from the A courses, at least one alternate must also be included from the A courses to total the 4½ hour minimum. Our purpose in this pre-registration is to get a final check on those courses for which interest was marginal before and to determine the number of sections required for those programs having large student interest. While this pre-registration is not necessarily binding, we would ask that students give serious thought to the kinds of things which interest them for the Interim.

Final registration will be held in December and will be handled in a college style where students will report to a central registration center to pick up roster cards for the courses of their choice. Since there will be limited enrollment for some courses, some of these programs will "fill" and will be closed early in the registration day. Seniors will register first, followed by juniors, then sophomores, but registration will generally be on a first-come, first-served basis.

A number of significant remedial courses are being offered to students and may be elected either in addition to or as a part of the 4½-hour minimum. This is a most valuable opportunity for students at any grade level who are having academic difficulty to "catch up" on regular class work. While students will NOT be assigned to remedial work, it should be mentioned that small class sizes in these areas in particular will enable students and teachers to work on almost a one-to-one basis. Remedial classes will be offered for a 45-minute period and should be an asset to students as they look forward to the second semester. Take advantage of these programs.

Any senior interested in the Career Research Laboratory phase of the Interim is reminded that he should not register for regular course work but should fill out the Career Research Laboratory portion of the pre-registration form on Monday.

Finally, there will undoubtedly be some courses scheduled for the evening hours. Tentative plans are for these programs to be scheduled during the period 6:30 to 9:30 P.M.; however, there will probably not be bus transportation provided for this time. Those students who sign up for courses scheduled for the evening will, of course, be excused either during the morning or afternoon sessions when they are unscheduled. There will be an opportunity to indicate a preference for night work; no student will be so assigned without his approval.

SP 006550

COURSE DESCRIPTIONS

"A" Courses

A 931 Advertising Mr. Behl - 90 minutes
A study of advertising layout with emphasis on copy, art, and illustration

A 920 Analytic Geometry Mrs. Baldwin - 90 minutes
A bridge between algebraic and geometric skills with an emphasis on the conics

A 904 Asian Humanities Mrs. Ott - 90 minutes
An introductory survey of the art, music, and literature of Asia with special emphasis on India and China

A 408 Basic Math for Science Mrs. Nickerson 45 minutes
A review of basic mathematical operations, slide rule, scientific notation, graphing, logarithms, and percentages

A 929 The Bible Mr. Piser - 90 minutes
A study of passages from the Old and New Testaments to emphasize the importance of the Bible as a literary and historical document

A 914 Brush-up Typing Mr. Trexler - 90 minutes
Some previous typing required

A 410 Career Investigations for Language Majors - Mr. Gumpert - 45 minutes

A 924 Chamber Singers Mr. Closson - 90 minutes
Some prior choral experience required - folk songs, madrigals and choral music for small vocal ensembles

A 921 College Board Review Math Mr. Reed - 90 minutes

A 918 Computer Knowledge (Beginning) Miss Betz and Mrs. Cook - 90 minutes

A 902 Computer Knowledge (Advanced) Mrs. Cook and Mr. Reynard - 90 minutes
Math department approval required

A 907 The Consciousness III Controversy Mr. Kohl - 90 minutes
An examination and evaluation of Charles Reich's The Greening of America which analyzes the revolutionary impact and future of "the movement."

A 922 Creative Writing Mrs. Howes and Mrs. Wirtschafter - 90 minutes

A 407 The Culture of Appalachia Mr. Wyrick - 45 minutes
A concentrated look at this unique culture through its problems, music, and literature. A preparation for a week-long study trip over Spring vacation

A 933 The Detective Story Mr. Dreyer - 90 minutes
A reading and study of selected detective stories with particular emphasis on plot construction and literary merit

A 936 Dissent in America Mrs. Toombs and Wölstenholme - 90 minutes
An exploration of the major areas of dissent in American culture including politics, race, women's rights and pacificism with emphasis on relevant literature and music

A 938 Egyptian Civilization Mrs. Ott - 90 minutes
An introductory survey of Ancient Egyptian Civilization with an emphasis on the New Kingdom (1567-1085 BC)

A 304 Ethnic Problems in the Modern French-Canadian Novel Miss Bryant - 3 hours

A 303 The French in Delaware Miss Bryant - 3 hours
For advanced French students - an examination of French customs, traditions, and landmarks found in Delaware today through research at the Eleutherian Mills Historical Library.

A 935 Group Counseling Mr. Robinson - 90 minutes
A focus on individual adjustment to adolescent problems

A 305 Group Research in Chemistry Mrs. Nickerson - 3 hours (fee)
A research project involving such studies as reaction rates, synthesization of a chemical compound or characterization of a chemical product.

A 937 History of Existentialism - Mr. Gumpert - 90 minutes
The development of existential thought with emphasis on the influence of Jean Paul Sartre on our century. No French requirement - course will be conducted in English.

A 932 Income Tax Mr. Behl - 90 minutes
Utilization of the 1040 form to provide students with the basic skills involved in filing individual tax returns

A 911 Interpersonal Communications Mr. Curtis - 90 minutes
Small-group sharing and appreciation of individual personality and values to enable participants to appreciate one's uniqueness and worth and those of the other members of the group

A 901 Introduction to Chinese Civilization Mr. Pro - 90 minutes
An examination of the institutions, culture, and people that have formed the heritage of China

A 910 Introduction to Typing - Mrs. Peasley - 90 minutes

A 912 Japan Mr. Patten - 90 minutes
An introduction to the cultural, political and economic aspects of both traditional and modern Japan.

A 940 Law Mr. Gillan and Mr. Patten - 90 minutes
A lecture and discussion course with presentations by the legal profession on such topics as school, corporation, criminal, and patent law among others.

A 402 Library Reference Resources and Techniques Mr. Kelleher - 45 minutes

A 906 Logic and Rhetoric Mr. Gillan - 90 minutes
A study of the elements of logic and formal debate with a concentration on student debates

A 308 Marine Biology and Oceanography - Mr. Bianco, Dr. Castelli, Mr. Newber -3 hrs. (fee)
A study of the composition and distribution of marine communities. The physics, chemistry, and geology of the oceans will be treated only as they affect the ecology of those associations.

A 705 Microbiology and Environmental Problems Mr. Loynd - 90 minutes (fee)
A study of the relationship of micro-organizisms to environmental problems with an emphasis on field and laboratory work. Techniques of collecting, culturing, and experimenting with micro-organisms will be employed.

A 401 A Military History of the Civil War Mr. Gillan and Mr. Thompson 45 minutes

A 908 Modern French Theater Mrs. Garmatz - 90 minutes
A study of French Theater after 1945 with emphasis on the works of Tonesco, Beckett, Genet, and Adamov

A 409 Modern Technology in Chemistry Mrs. Nickerson - 45 minutes (fee)
A brief survey of the chemistry of such man-made products as plastics, fibers, and rocket propellants

A 927 Modern Topics in Mathematics Mr. Jones - 90 minutes
A study of such questions and topics as modular arithmetic, matrix algebra, rings, groups, and fields

A 903 Mythology (Greek and Roman) Mr. Dannaway - 90 minutes

A 943 Nursing Chemistry and Biology Mrs. Scott - 90 minutes
An emphasis on such related topics as muscle physiology, the central nervous system, circulation of body fluids, and metabolism

A 306 Organic Chemistry Mrs. Nickerson - 3 hours (fee)
A brief survey of the important classes of organic compounds. Laboratory work included

A 942 Principles of Geology Miss Haas and Mr. Howard - 90 minutes
An examination of modern concepts concerning the nature and origin of the major features of the earth's crust and interior, with emphasis on the study of earth quakes, volcanoes, mountain building, rivers, and land and rock formation

A 904 Psychology Mr. Robinson - 90 minutes
An examination of the general areas of psychology including personality, motivation and learning with special emphasis on adolescent psychology. Not open to students involved in the psychology class during the school year.

A 928 Public Speaking Mrs. Kalpanov - 90 minutes

A 404 Reading Problems Laboratory - Mr. Briner 90 minutes
A program for dealing individually with students having learning and/or reading problems

A 926 Recreational Math Mrs. Selwood - 90 minutes
An examination of existing mathematical games, puzzles, tricks, and unique problems. Development of original materials will be included.

A 411 Remedial Algebra Mr. Likovich - 45 minutes

A 403 Remedial Bookkeeping Mrs. Peasley - 45 minutes

A 405 Remedial Chemistry Study Mr. Andrews - 45 minutes

A 412 Remedial English Mr. Anderson - 45 minutes

A 410 Remedial Geometry Mrs. Baldwin - 45 minutes

A 413 Remedial German Grammar Mr. Dreyer - 45 minutes

A 416 Remedial Physics Mr. Howard - 45 minutes

A 414 Remedial Spanish Grammar Mr. Gravely and Mr. Musselman - 45 minutes

A 916 Research Paper Typing - Mr. Trexler - 90 minutes
Some previous typing required

A 945 Rocks and Minerals Miss Haas and Mr. Reynard - 90 minutes (fee)
An examination of the properties of different classes of rocks and minerals through identification of these materials in their natural setting.

A 923 Russian for Enjoyment Mrs. Przywara - 90 minutes
An examination of Russian culture through music, poetry, and other literature. Open to both Russian and non-Russian students

A 930 Salesmanship Mr. Behl - 90 minutes
A look at the various aspects of sales: how a sale is made, using product knowledge, making an effective demonstration, closing the sale

A 944 Schools in Literature Mr. FitzPatrick - 90 minutes Not one
An examination of 19th and 20th Century schools as seen through the eyes of such famous novelists as Dickens, Maugham, and Salinger

A 939 Selected Topics in Physical Science Mr. Howard - 90 minutes
Individual and small group examination of such topics as nuclear science; measurement by electronics, stroboscopic, and photographic means; and circuit and solid state electronics

A 301 Shakespeare - The Histories and Tragedies Mr. Barto - 3 hours Run
An analysis and comparison of the History and Tragedy format through an examination of two specific works: Richard II and King Lear

A 917 Shorthand Introduction Mrs. Peasley and Mr. Trexler - 90 minutes
An examination of the basic principles of Gregg shorthand

A 915 Shorthand Workshop Mrs. Peasley and Mr. Trexler - 90 minutes
A workshop arrangement for shorthand students at any level with an opportunity for concentrated work in areas of student choice

A 909 Short Story Mrs. McClary and Mrs. Wirtschafter - 90 minutes
A course designed to enhance reading enjoyment of various types of short stories. Individual reading preference will be handled through small group work

A 919 Slide Rule Operation Mr. Harper - 90 minutes
Slide rule operations including roots of numbers, raising numbers to powers, multiplication, division, trigonometric scales and log scales

A 307 Speed Reading Mr. Anderson and Mr. Briner - 3 hours

A 302 Training of Lab Technicians - Mr. Andrews - 3 hours
An examination of the possibility of a career in the field of science through preparation of solutions, chemicals, and equipment for laboratory work

A 913 Trigonometry Mr. Likovich - 90 minutes
Open to students who have had or are now taking Algebra II. The course emphasizes the basic concepts of trigonometry, the use of the right triangle, and solutions of simple problems

A 925 Understanding Opera Mr. Closson - 90 minutes
An examination of the inner workings of opera, its historical growth, and its relevance to present-day theater.

A 406 The United Nations Mr. Wyrick - 45 minutes
A focus on the daily functions and work of the U.N. in order to prepare the Brandywine delegation to function efficiently at the Model U.N. in February

A 942 Astronomy Miss Haas and Mr. Reynard

A general exploration of the solar system, galaxy, and the universe at an introductory level. Trips to the observatory and telescopic observations will be involved

A 947 Creative Drama Mrs. Howes - 90 minutes

A participatory course in such areas as pantomime, improvisation, impromptu speeches, oral expression, and Reader's Theatre.

A 946 Individual Projects (Staff) 90 minutes

An opportunity for students to select an area of interest and to develop a program of study in conjunction with the teaching staff

A 948 Black Social Thought Mrs. Scott - 90 minutes

This course will attempt to compare and contrast black social thinkers from the time of W. E. B Dubois and Booker T. Washington to the period of Malcolm X, Martin Luther King, Jr., Stokely Carmichael, and Whitney M. Young, Jr. Methods for bringing about social change will be discussed as well.

"B" Courses

B 933 Adventures into Greek Sarmousakis - 90 minutes (fee)
An examination of Greek heritage through cooking, folk dancing, music, and language

B 904 Airline Stewardess Mrs. Gregg and Mrs. Peasley - 90 minutes
An aid in career exploration through an examination of the requirements, training, and duties of air hostesses

B 914 Antiques Mrs. McClary and Mrs. Selwood - 90 minutes
An exploration of American period furniture, glassware, pottery, pewter, copper, and brass

B 917 Automotive and Small Engine Electricity Mr. Guth - 90 minutes
Troubleshooting and maintenance of automobile ignition and electrical systems and of small engines

B 403 Aviation Mr. Ziccarelli - 45 minutes
An introduction to all aspects of aviation, from flight to ground control. Actual flight is NOT included.

B 323 Badminton Mr. Dreyer and Miss Hastings - 3 hours

B 935 Basketball (Boys) Mr. Andrews, Mr. Behl, Mr. Gettings, Mr. Ziccarelli - 90 minutes

B 926 Basketball (Girls) Mrs. McClary - 90 minutes

B 308 Billiards and Pool Mrs. Daly, Mr. Reynard, Mr. Snyder, Mr. Ziccarelli - 3 hrs -fee

B 307 Bowling Mrs. Cook, Mrs. Daly, Mrs. Kalpanov, Mr. Patten, and Mr Snyder
3 hours (fee)

B 311 Bridge Mr. Briner and Mr. Patten - 3 hours

B 906 Chess Mr. Anderson - 90 minutes

B 934 Creative Needlecraft Workshop Mrs. Cook and Mrs. Sarmousakis - 90 min. (fee)
Individualized instruction for beginning and advanced students in any area of needlecraft: crocheting, knitting, embroidering, crewel, etc.

B 932 Crewel Embroidery Mrs. Anderson - 90 minutes
Designed to teach the beginner the fundamental stitches necessary to produce either a traditional or modern design

B 306 Cycling Mr. Gettings, Mr. Gillan, Mr. Piser - 3 hours
A course designed to acquaint the student with techniques in distance cycling and in maintenance and repair of bicycles. Physical conditioning will be stressed and a day-long tour is scheduled for the second Saturday of the Interim.

B 913 Decoupage and Flemishing Miss Bryant - 90 minutes
Decoupage, an 18th Century art craft, consists of applying a cut out print to a desired wooden object then applying varnish and wax; Flemishing is the art of antiquing artificial flowers and greens. Students will be responsible for providing necessary materials.

B 921 Drapery Making Mrs. Przywara - 90 minutes
A practical course in constructing draperies. Purchase of material, cutting, pinning, pinch pleating, and sewing will be stressed.

B 922 Easy Desserts Mrs. Przywara - 90 minutes (fee)

B 916 Electricity-Electronics for the Homemaker Mr. Guth - 90 minutes
A course designed for girls only with emphasis on the diagnosis and repair of small appliances, lights, radios, TV, automobile and small gasoline engines.

B 317 Experimental Microwave Cookery Mrs. Talley - 3 hours (fee)
Restricted to students who have had or who are taking one of the following curricular offerings: Advanced Foods, Culinary Arts, Chef's Class

B 927 Flower Making and Arrangement Mrs. Talley - 90 minutes

B 909 Fly Tying Mr. Helmbreck - 90 minutes
A course designed to teach the participant the basic rudiments and skills in the art of constructing (tying) artificial fishing flies.

B 938 Football Strategy Mr. Bianco and Mr. Modica - 90 minutes
A "crash course" in understanding the fundamentals and the complexities of football.

B 401 Furniture Repair and Refinishing Mr. Mallozzi - 45 minutes

B 304 Golf (Beginning) Mr. Dannaway and Mr. Jones - 3 hours

B 305 Golf (Advanced) Mr. Dannaway and Mr. Jones - 3 hours

B 905 Gymnastics Mr. Hirst - 90 minutes
Open to both boys and girls

B 937 Handball Mr. Robinson and Mr. Dreyer - 90 minutes

B 319 "Hello Dolly" Mr. Dolinger and Mr. Kowalewski - 3 hours
A workshop and practice session for those cast members and others working on the production.

B 402 High School Coaching Mr. McClary - 45 minutes

B 316 Historical Field Trips Mr. Thompson - 3 hours
A series of trips organized to take advantage of such historically significant Delaware sites as Hagley Museum, Winterthur, Historic Old New Castle, and Project 400.

B 939 History of Rock Music Mr. Wolstenholme - 90 minutes
An examination of the origins and development of rock music from its inception through the Beatles. Major emphasis will be placed on trends in the music, including the rise of Elvis Presley, the Dick Clark era, the Detroit sound, California surf and car music, and the British invasion.

B 920 Ice Hockey Mr. Reed - 90 minutes (fee)
Basic ice skating techniques are required.

B 930 Ice Skating Mrs. Anderson - 90 minutes (fee)
Open to both beginning and advanced skaters.

B 915 Instant Crochet Mrs. Kalpanov - 90 minutes
A step-by-step method for the beginner designed to enable the student to make scarves, hats, and skirts

B 928 Interior Design Mrs. Talley - 90 minutes
A course designed to help students apply art principles in decorating a small apartment or a single room.

B 315 Interior House Painting Mr. Harper - 3 hours
Practical application of the techniques of preparing walls, floors, and interior trim for paints, stains, and varnishes.

B 310 Interim Newspaper Mr. McCloskey - 3 hours
For those interested in Journalism, an opportunity to publish a newspaper focusing on the various interim course activities. Layout, design, and good reporting and writing techniques will be stressed.

B 314 International Cooking Mr. Pro/Mrs. Toombs and Mrs. Anderson/Miss Betz 3 hrs (fee)
A course designed as introduction to the culinary styles of selected countries, with primary attention to European cusine.

B 931 Instant Sewing Mrs. Anderson - 90 minutes
A focus on new techniques in sewing a garment from polyester, synthetic or wool knits. Students will provide fabrics and materials.

B 911 Jazz Workshop Mr. Dolinger and Mr. Schiff - 90 minutes
A two-phased program, the first of which will deal with the variety of conceptsPrevalent in jazz. Students who are proficient enough on their instruments will be given the opportunity to perform using these concepts. The second experience will involve investigation, research and rehearsal of material available for jazz rock ensembles.

B 902 Jewelry Mr. Brown - 90 minutes
A program which will be concerned with the "Lost Wax Process." Rings and other forms of jewelry will be cast in silver and gold.

B 312 Junior and Senior Lifesaving Mr. McClary - 3 hours
A course for accomplished swimmers who wish to complete Red Cross certification.

B 901 Macrame Mr. Brown - 90 minutes
An art form made by knotting cords in imaginative combinations using twine, rope, or yarn.

B 301 Photography Mr. Gettings and Mr. Loynd - 3 hours
Students must provide cameras and film

B 925 A Pictorial Trip to France Miss Bryant - 90 minutes
An imaginary trip to France, through slides, filmstrips, pictures, posters, travel books, etc. Each student will plan a three or four week trip to France with detailed itinerary.

B 318 Portrait Painting Mr. Modica - 3 hours

B 929 Pottery Mr. Modica - 90 minutes
The slab, coil, pinch and wheel methods of pottery will be taught. Completed projects will be fired and glazed

B 940 Sailing Techniques Mr. Gumpert and Miss Hastings - 45 minutes
For the novice sailor an introduction to small boat handling with emphasis on sail boats.

B 912 Scuba Diving Mr. Colacino, Mr. Lathrop, and Mr. Rossman - 90 minutes
A course for accomplished swimmers who have scuba equipment. Theory, practice and safety procedures will be stressed.

B 910 Self-Defense Mr. Helmbreck - 90 minutes
A course open to both boys and girls and stressing principles of judo, karate, and aikido

B 309 Skiing Mr. Gettings, Mr. Kohl, Mrs. Selwood, Mr. Steele - 3 hours (fee)
A course designed to provide an opportunity for instruction and practice at all ability levels, from beginner through expert. NOTE: Fees for this course will range from $25.00 to $35.00 for the two-week period.

B 907 Slimnastics Mr. Curtis - 90 minutes
A study and practical employment of the art of safe and effective weight loss and muscle tone through exercise and diet.

B 324 Spanish Headstart Mr. Musselman - 3 hours
The class will provide tutors with materials and techniques for working with the headstart--sessions will be spent with the children at the Unitarian Church.

B 941 Square Dancing Miss Denlinger and Mr. Snyder - 90 minutes

B 303 Stage Construction - Mr. Mallozzi - 3 hours
A program designed for those interested in set building for "Hello Dolly"

B 313 Swimming (Beginning) Mr. McClary - 3 hours

B 918 Table Tennis (Ping Pong) Mrs. Daly and Mrs. Wirtschafter - 90 minutes

B 908 Trampoline Mr. Hirst - 90 minutes

B 943 TV Studio Operation Mr. Schiff - 90 minutes not one
Instruction in use and operation of T.V. cameras, video tape recorders, and control board. For Sophomores and Juniors only

B 942 U.S. History T.V. Tapes Mr. Kowalewski and Mr. Schiff - 90 minutes
The construction of TV series for use in American History classes

B 321 Volleyball Mr. Andrews, Mr. Dreyer, Mr. Gettings, Mr. Gravely, Mr. Reed - 3 hours

B 919 Yearbook Workshop Mrs. Wirtschafter - 90 minutes

B 903 An Introduction to Yoga and Health Food Mrs. Garmatz - 90 minutes
An emphasis on the physical aspects of Yoga with appropriate exercises

B 923 Weightlifting Mr. Ziccarelli - 90 minutes

B 936 Officiating Girl's Basketball - Miss Hastings - 90 minutes officiating
An opportunity for studying and practicing the techniques of/girl's basketball. Open to both boys and girls.

B 924 Student Travel Mr. McClary - 90 minutes
A "how to do it" course which will aid students in planning trips abroad. Emphasized will be obtaining proper documents, securing inexpensive round trip charter flights, and choosing where to go and what to see.